Notice of Allowability	Application No.	Applicant(s)	
	10/635,072	GOLESH, ERIC D.	
	Examiner	Art Unit	
	Victor K. Hwang	3764	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *the application as filed 8/6/03 and subsequent drawings & IDS*.

2. ☒ The allowed claim(s) is/are *1-12 and 14-20*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 5/3/2004
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date *20060803* .
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

JEROME DONNELLY
PRIMARY EXAMINER

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Lee R. Osman on July 31, 2006.

2. The application has been amended as follows:

In the Claims:

A) Amend claim 1 as follows:

1. (Currently Amended) A dual-direction pulley system comprising:

a first main pulley having an actuator operably attached thereto;

a second and third main pulleys;

a first cable wrapped at least part of the way around said first main pulley and fixed to said first main pulley and wrapped at least part of the way around said second main pulley and affixed thereto;

a second cable wrapped at least part of the way around said first main pulley opposite said first cable and fixed to said first main pulley and wrapped at least part of the way around said ~~second~~ third main pulley and affixed thereto;

a tensioner cable, one end of which is wrapped at least partially around said second main pulley opposite of said first cable, and the other end of which is wrapped at least partially around said third main pulley opposite of said second cable; and

a pulley arm reactive to the movement of either of said second and third main pulleys, said pulley arm attached to a load mechanism, wherein movement of said actuator causes movement of said pulley arm to engage said load mechanism.

B) Amend claim 12 as follows:

12. (Currently Amended) An exercise apparatus for providing resistance to movement in opposite directions comprising:

a frame;

an actuating lever pivotally mounted to said frame, said actuating lever being pivotal in a clockwise direction and a counterclockwise direction; and

a pulley system for providing resistance to rotation of said actuating lever when said actuating lever is moved in said clockwise direction and said counterclockwise direction;

said pulley system includes a first main pulley, a second main pulley, and a third main pulley;

said actuating lever is attached to said first main pulley such that rotation of said actuating lever causes rotation of said first main pulley;

a first cable connects said first main pulley with said second main pulley;

a second cable connects said first main pulley with said third main pulley; and

a tensioning cable connects said second and third main pulleys such that rotation of said first main pulley causes corresponding rotation of said second and third main pulleys substantially without creating slack in said first and second cables.

C) Cancel claim 13.

D) Amend claim 14 as follows:

14. (Currently Amended) The exercise apparatus according to claim 12 [[13]], wherein said first and second main pulleys are connected to a load such that when said first main pulley is rotated in a clockwise direction, rotation of said second main pulley is resisted by said load, and when said first main pulley is rotated in a counterclockwise direction, rotation of said third main pulley is resisted by said load.

E) Amend claim 16 as follows:

16. (Currently Amended) The exercise apparatus according to claim 12 [[13]], wherein an angular orientation between said actuating lever and said first main pulley may be selectively adjusted to create multiple rest positions for said actuating lever.

F) Amend claim 17 as follows:

17. (Currently Amended) The exercise apparatus according to claim 12, wherein said pulley system comprises:

~~a first main pulley attached to said actuating lever;~~

~~a second and third main pulleys;~~

[[a]] said first cable wrapped at least part of the way around said first main pulley and fixed to said first main pulley and wrapped at least part of the way around said second main pulley and affixed thereto;

[[a]] said second cable wrapped at least part of the way around said first main pulley opposite said first cable and fixed to said first main pulley and wrapped at least part of the way around said ~~second~~ third main pulley and affixed thereto;

~~a tensioner cable,~~ said tensioning cable having one end of which is wrapped at least partially around said second main pulley opposite of said first cable, and the other end of which is wrapped at least partially around said third main pulley opposite of said second cable; and

a pulley arm reactive to the movement of either of said second and third main pulleys, said pulley arm attached to a load mechanism, wherein movement of said actuating lever causes movement of said pulley arm to engage said load mechanism.

G) Amend claim 20 as follows:

20. (Currently Amended) An exercise apparatus for performing seated leg curls and seated leg extensions, the apparatus comprising:

a frame;

a pulley system mounted to said frame, said pulley system including a first main pulley, a second main pulley, and a third main pulley;

a first cable wrapped at least part of the way around said first main pulley and fixed to said first main pulley and wrapped at least part of the way around said second main pulley and affixed thereto;

a second cable wrapped at least part of the way around said first main pulley opposite said first cable and fixed to said first main pulley and wrapped at least part of the way around said ~~second~~ third main pulley and affixed thereto;

a tensioner cable, one end of which is wrapped at least partially around said second main pulley opposite of said first cable, and the other end of which is wrapped at least partially around said third main pulley opposite of said second cable such that rotation of said first main pulley causes corresponding rotation in said second and third main pulleys;

a pulley arm reactive to the rotation of either of said second and third main pulleys, said pulley arm attached to a load mechanism;

an actuator lever attached to said first main pulley such that movement of said actuator lever causes rotation of said first main pulley, which causes corresponding rotation in said second and third main pulleys, which rotation of said second and third main pulleys causes said pulley arm to engage said load mechanism, said actuator lever being selectively adjustable in its angular orientation relative to said first main pulley; and

a seat mounted on said frame such that a user seated in said seat can perform leg extension exercises by rotating said actuating lever in a first direction and leg curl

exercises by rotating said actuating lever in a second direction opposite to said first direction; and

a first pad and a second pad mounted on said actuating lever, said second pad eccentrically rotatably mounted to said lever such that it is adapted to hold a leg of a user in place between said first pad and said second pad during leg curl exercises and such that it is adjustable to accommodate different sized legs.

3. The following changes to the drawings have been approved by the examiner and agreed upon by applicant:

in Fig. 1B, the reference character "38" is to be replaced with --36--;

in Fig. 5, the reference character "80" is to be replaced with --86--;

in Fig. 5, the reference character "60" is to be replaced with --54--;

in Figs. 1B, 5 and 7-10, the reference character "74" is to be changed to –75--; and

in Fig. 6, the reference characters "110" and "112" are to be added to identify the plastic finishing caps and bolt, as referred to in paragraph [0045].

In order to avoid abandonment of the application, applicant must make these above agreed upon drawing changes.

4. The following is an examiner's statement of reasons for allowance: the prior art of record discloses a variety of dual-direction pulley systems, but none disclose or make obvious a dual-direction pulley system wherein first and second cables connect a first main pulley having an actuator to respective second and third main pulleys, the second and third main pulleys also

having a tensioning cable connected so that rotation of the first main pulley causes corresponding rotation of the second and third main pulleys without creating slack in the first and second cables.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Victor K. Hwang whose telephone number is (571) 272-4976. The examiner can normally be reached Monday through Friday from 7:30 AM to 4:00 PM Eastern time.

The facsimile number for submitting papers directly to the examiner for informal correspondence is (571) 273-4976. The facsimile number for submitting all formal correspondence is (571) 273-8300.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory L. Huson can be reached on (571) 272-4887.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Victor K. Hwang
August 3, 2006